

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2000	
BUDGET ACTIVITY 03 - Advanced Technology Development				PE NUMBER AND TITLE 0603707F Weather Systems Technology				PROJECT 632688	
COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
632688 Weather Support Technology	1,419	0	0	0	0	0	0	0	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

Note: This project was terminated at the end of FY 1999.

(U) **A. Mission Description**
 This program demonstrates and transitions new technologies for warfighters and their associated weather support forces to enable full spectrum dominance. Technologies developed include new impact decision aids that will be incorporated into automated mission planning systems to optimize tactics and precision guided munitions selection. Other technologies will support operational laser system design and operational concept development. Initiatives are also planned to improve the accuracy of environmental forecasts produced by the Air Force Weather Agency and Air Force Space Command. Technologies delivered will enhance information superiority by improving tailored weather forecasts in data denied areas. Other models will enhance satellite survivability by improving space environmental forecasts.

(U) **FY 1999 (\$ in Thousands)**
 (U) \$750 Developed and transitioned Target Acquisition Weather Software V1.0 to Air Combat Command (ACC). Software was used in predicting impact of weather on precision-guided munitions during mission execution planning.
 (U) \$565 Developed and demonstrated software that incorporates the impact of weather on precision-guided munitions during preparation of the Air Tasking Order (Weather Automated Mission Planning Software) to ACC.
 (U) \$104 Transitioned, for operational use, upgraded software that incorporates ACC and Air Force Special Operations Command (AFSOC) feedback on performance of Night Vision Goggle Operations Weather Software.
 (U) \$1,419 Total

(U) **FY 2000 (\$ in Thousands)**
 (U) \$0 Not Applicable.
 (U) \$0 Total

(U) **FY 2001 (\$ in Thousands)**
 (U) \$0 Not Applicable.
 (U) \$0 Total

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(U) **B. Budget Activity Justification**
 This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 2000 PBR)	1,564	0	0	
(U) Appropriated Value	1,568			
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions	-4			
b. Small Business Innovative Research	-32			
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram	-105			
e. Rescissions	-8			
f. Other				
(U) Adjustments to Budget Years Since FY 2000 PBR				
(U) Current Budget Submit/FY 2001 PBR	1,419		0	TBD
(U) <u>Significant Program Changes:</u> Not Applicable.				
(U) <u>D. Other Program Funding Summary (\$ in Thousands)</u>				
(U) Related Activities:				
(U) PE 0305160F, Defense Meteorological Satellite Program.				
(U) PE 0305111F, Weather Service.				
(U) PE 0602601F, Spacecraft Technology.				
(U) This project has been coordinated through the Reliance process to harmonize efforts and eliminate duplication.				
(U) <u>E. Acquisition Strategy</u> Not Applicable.				
(U) <u>F. Schedule Profile</u>				
(U) Not Applicable.				

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